

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	116	(volker and hennige).in. or (christian and hying).in. or (gerhard and horpel).in.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/02/28 14:43
S2	42	S1 and separator	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/02/28 14:43
S3	1	"6495292".pn.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 07:45
S4	0	S3 and lithium	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 08:06
S5	57	polysulfone with separator and lithium with battery	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 08:09
S6	28	(silica or aluminum oxide) with separator with lithium and lithium with battery	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 09:07
S7	5	"5389433"	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 09:09
S8	0	lihtium (sulfonate or phosphonate) with separator and (non-woven or nonwoven)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 09:15
S9	1	lithium (sulfonate or phosphonate) with separator and (non-woven or nonwoven)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 09:16
S10	23	lithium (sulfonate or phosphonate) and (non-woven or nonwoven)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 09:16
S11	2494	zirconium (phosphate or sulfonate or phosphonate)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 09:25
S12	478	S11 and lithium	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 09:26
S13	33	S12 and separator	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 09:26
S14	712	S11 with (silica or silicon dioxide or zirconium oxide)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 09:43
S15	104	S14 and lithium	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 09:44

S16	7	S14 and lithium ion	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 09:57
S17	1	S3 and electrolyte	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 10:00
S18	5	lithium zirconium phosphate	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 10:02
S19	1	lithium phosphate zirconate	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 10:05
S20	78	zirconium phosphonate	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 10:06
S21	2437	zirconium phosphate	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 10:19
S22	46	S21 and lithium ion	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 10:20
S23	17	"5389471"	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 10:39
S24	3	WO 99/62620	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 11:28
S25	0	("6620320" or "6383386").pn"	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 11:30
S26	2	("6620320" or "6383386").pn.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/03 11:30
S27	0	"6620320".pn. and battery	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 08:41
S28	1	"6620320".pn. and polymer	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 09:10
S29	1	"6620320".pn. and fill	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 09:20
S30	1	"6620320".pn. and fiber	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 09:24
S31	244	lithium sulfonate	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 09:32
S32	48	S31 and "429".clas.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 09:32

S33	1	"6620320".pn. and bond\$3	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 09:35
S34	1	10/519097	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 10:07
S35	1	S34 and admixture	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 10:07
S36	0	S27 and cation	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 10:39
S37	1	S34 and cation	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 10:40
S38	1	"6620320".pn. and bend\$5	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 11:28
S39	0	"6495292".pn. and bend\$5	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 13:34
S40	1	"6495292".pn.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 13:34
S41	0	S40 and (bend\$5 or ductil\$4 or curv\$5)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 13:35
S42	1	S40 and electrolyte	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 15:38
S43	1	S40 and battery	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 15:43
S44	1	S38 and radius	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/04 15:56
S45	325	polysulfone and separator and lithium ion	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 13:25
S46	1483697	S45 and bend or bendab\$6 or flex or flexib\$6	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 13:26
S47	133	S45 and (bend or bendab\$6 or flex or flexib\$6)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 13:26
S48	60	S47 and "429".das.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 13:27
S49	46563	polysulfone	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 13:30

S50	1304	S49 and "429".clas.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 13:30
S51	621	S50 and (separator or membrane) same polysulfone	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 13:31
S52	201	S51 and (bend or bendable\$6 or flex or flexible\$6)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 13:31
S53	40	S52 and lithium ion	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 13:39
S54	70647	thickness with (flex or flexible or flexibility or bend or bendable or bendability)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 13:41
S55	248	S54 and separator and lithium ion	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 13:45
S56	192	S55 and "429".clas.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 13:45
S57	1	"5,254,416".pn.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 14:13
S58	2965	nonwoven with separator	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 14:22
S59	1	S58 and (encapsulation sheath)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 14:23
S60	106	S58 and coated near4 separator	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 14:24
S61	57	S60 and lithium	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 14:30
S62	52	S61 and (polypropylene or polyolefin)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 14:31
S63	1253	nonwoven with separator same polypropylene	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 14:35
S64	852	S63 and lithium	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 14:35
S65	700	S64 and "429".clas.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 14:35
S66	10	S65 and inorganic coating	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 14:36

S67	1	(US-5795679-\$).did.	USPAT	ADJ	ON	2008/03/05 14:42
S68	1	S67 and separator	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 14:42
S69	92	S65 and inorganic with separator	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 14:45
S70	1	"5795679".pn. and alkali	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 14:56
S71	0	"5795679".pn. and KOH	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 15:02
S72	341	KOH and lithium and polypropylene with separator	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 15:02
S73	97	S72 and nonwoven	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/05 15:03
S74	0	"6828065".pn. and woven	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/11 16:19
S75	0	"6828065".pn. and nonwoven	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/11 16:19
S76	0	"6828065".pn. and fiber	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/11 16:19
S77	10	"5449576"	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 07:38
S78	1	10/519097	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 07:53
S79	1	"9962620"	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 08:00
S80	0	429/218.ccls.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 08:11
S81	1093	429/218.1.ccls.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 08:11
S82	237	429/309.ccls.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 08:12
S83	87	429/302.ccls.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 08:13

S84	247	429/252.ccls.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 08:14
S85	110	S84 and (silicon dioxide or silica)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 08:14
S86	276	429/251.ccls.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 08:15
S87	117	S86 and (silicon dioxide or silica)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 08:15
S88	0	(kiyotaka yasuda).in.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 08:18
S89	138	(kiyotaka near3 yasuda).in.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 08:19
S90	95	(yoshiki near3 sakaguchi).in.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 08:19
S91	75	(kazuko near3 taniguchi).in.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 08:19
S92	158	((makoto near3 dobashi).in.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 08:20
S93	12	S89 and S90 and S91 and S92	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 08:20
S94	22	(hsi-ming near3 shu) and (wei-li near3 huang)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/03/12 08:24
S95	119	(volker and hennige).in. or (christian and hying).in. or (gerhard and horpel).in.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/10 12:29
S96	41	S95 and (@ad<="20020827" or @pd<="20020827")	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/10 12:29
S97	1	S96 and chemically near4 (bind \$7 or bound\$4 or bond\$5)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/10 12:30
S98	3	S95 and chemically near4 (bind \$7 or bound\$4 or bond\$5)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/10 12:30
S99	5	("6299668" or "6309454" or "6841075" or "6299778" or "6340379").pn.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/10 12:33
S100	0	S99 and chemically near4 (bind \$7 or bound\$4 or bond\$5)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/10 12:33

S101	1	"5449576".pn.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/10 12:33
S102	0	S101 and chemically near 4 (bind\$7 or bound\$4 or bond \$5)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/10 12:33
S103	6	"11175186"	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/10 13:56
S104	9	"5483418"	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/10 13:58
S105	1	"20020004162"	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/11 07:50
S106	1	10/519097 and lithium sulfonate	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/16 14:44
S107	8	lioh with separator and lithium with battery	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/16 14:59
S108	1	10/519097 and bonded	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/16 15:10
S109	2	10/519097 and coated	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/16 15:35
S110	1	"6620320".pn. and coat\$8	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/16 15:59
S111	1	"5411820" and lithium sulfonate	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/16 16:04
S112	1	"5254416".pn.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/16 16:28
S113	0	"6620320".pn. and polypropylene	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2008/09/16 16:45

9/17/2008 7:50:15 AM

C:\Documents and Settings\zbest\My Documents\EAST\Workspaces\10519097.wsp